

TAC Erie PopTop™

Temperature Control Valves & Actuators



PopTop™ General Close-Off Two-Position Valves & Actuators



For your residential and commercial applications, Erie's General Close-Off valves and actuators offer precision control for 2-position (on/off) spring return temperature control. The General Close-Off may be used in a wide range of applications such as radiant baseboard and fan coil for easy installation and maintenance.

Features:

- Direct replacement for all existing two-position, motorized PopTop applications.
- Sized to fit most baseboard applications.
- Rugged Brass forged 300 psig rated valve body.
- Up to 60 PSI pressure differential close-off.
- Spring return operation, normally closed or normally open.
- Voltages 24 to 277 VAC.
- End switch option on general temperature models.
- Terminal block option on general temperature models (24V).
- Chilled, hot water, and low pressure/low temperature steam applications.
- Cv 1.0 to 8.0.
- Hysteresis synchronous motor design for long life.
- Meets or exceeds ANSI IV standard for close-off.
- UL Listed actuator.

PopTop™ High Close-Off "HCO" Two-Position Valves & Actuators



For high-rise and commercial applications, where higher close-off is required, our High Close-Off valves and actuators offer precise temperature control. Our two-position (on/off) "HCO" actuator may be interchanged with General Close-Off actuators. This may be used in applications such as fan coil and VAV reheat.

Features:

- Direct replacement for all existing two-position, motorized PopTop applications.
- Rugged Brass forged 300 psig rated valve body.
- Up to 75 PSI pressure differential close-off.
- Spring return operation, normally closed or normally open.
- Voltages 24 to 277 VAC.
- End switch option on general temperature models.
- Terminal block option on general temperature models (24V).
- Chilled, hot water, and low pressure/low temperature steam applications.
- Cv 1.0 to 8.0.
- Meets or exceeds ANSI IV standard for close-off.
- UL Listed actuator.

PopTop™ Modulating Spring Return Valves & Actuators



The most modern, cost-effective range of electrically operated, modulating, temperature control, Erie's patented equal percentage flow plug, standard in zone valves up to 4.0 Cv., is designed for applications requiring a constant, level temperature. These highly reliable valves are designed specifically for use in fan coil, VAV reheat, unit ventilators, air handling unit, baseboard and radiant applications. The compact design installs in small compartments and still allows service access. Designed for use in closed hydronic heating and cooling applications.

Features:

- Rugged Brass forged 300 psig rated valve body.
- Patented equal percentage flow plug up to 4.0 Cv.
- Cv 1.0 to 8.0.
- Manual override.
- Position indicator.
- Thermoplastic enclosure.
- Jumper selectable operating ranges.
- 24 VAC, 3-wire floating and 0-10 VDC, 0-5 VDC, 5-10 VDC, or 4-20 mA proportional controls.
- Chilled or hot water applications.
- Time-out feature for extended life.
- Meets or exceeds ANSI IV standard for close-off.
- UL Listed actuator.

PopTop™ Modulating Non-Spring Return Valves & Actuators



All of our PopTop Modulating valves and actuators feature a position indicator, manual override, thermoplastic enclosure, and time-out option. Modulating valves are designed for a fan coil, VAV reheat, unit ventilator, air handling unit, baseboard and radiant applications.

Features:

- Rugged Brass forged 300 psig rated valve body.
- Patented equal percentage flow plug up to 4.0 Cv.
- Cv 1.0 to 8.0.
- Manual override.
- Position indicator.
- Thermoplastic enclosure.
- Non-spring return operation.
- Jumper selectable operating ranges.
- 24 VAC, 3-wire floating and 0-10 VDC, 0-5 VDC, 5-10 VDC, or 4-20 mA proportional controls.
- Compatible with most DDC control systems.
- Chilled or hot water applications.
- Time-out feature for extended life.
- Meets or exceeds ANSI IV standard for close-off.
- UL Listed actuator.

TAC Erie Family of Products

TAC Erie's motorized hydronic valves, the PopTop™, provide convenient, reliable and easy installation for a variety of heating and cooling applications. Installation is a snap with easy, one-handed removal or engagement of the actuator to the valve body. Push the button and lift. It's that simple.

Features:

- One-handed engagement or removal of the motorized actuator to the valve body.
- Valve actuator can be easily attached after the valve body has been installed into the system.
- Mounts quickly and easily without the need of linkages or calibration.
- Available in 2-way and 3-way port configurations, 1/2" (15mm) through 1-1/4" (32mm) sweat or 1/2" (15mm) to 1" (30mm) threaded connections, 1.0 to 8.0 Cv range.
- Available factory coupled, or as individual bodies and actuators.
- Direct replacement for all existing PopTop™ applications.
- Rugged 300 PSIG rated brass forged body design for long life.
- UL Listed actuator.



POPTOP™ ZONE VALVES

- 1/2", 3/4", 1" and 1-1/4" Sweat, NPT and Inverted Flare Union.
- Two-position (on/off), 2-way and 3-way.
- General close-off or High close-off.
- Low voltage or line voltage.



POPTOP™ MODULATING VALVES

- 1/2", 3/4", and 1-1/4" Sweat, NPT.
- Three-wire (on/off), 2-way and 3-way.
- 0-10, 0-5, 5-10 VDC or 4-20 mA proportional inputs.
- Spring return or non-spring return.
- Time out feature available.



DAMPER ACTUATORS

- Direct and linkage drive.
- Spring return or motor driven open and closed.
- 2-wire or 3-wire control with end switch.
- Clockwise or counter-clockwise rotation.



BOILER BOSS

- Single and multiple zone circular, zone valve and hydronic heating/cooling air handlers.
- LED readouts and status indicators.
- Priority Plus® and low-limit protection.



THERMOSTATS AND CONTROLLERS

- Heating and cooling, low and line voltage outputs.
- Digital display or dial control.
- Three-wire floating, modulating output.
- 0-10 VDC or 4-20 mA proportional outputs.

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F-27125-2 05-07



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